Forest Ecology and Management, 49 (1992) 349–350
Elsevier Science Publishers B.V., Amsterdam

Contents of *Forest Ecology and Management*, Volume 49

VOL. 49 NOS. 1–2 **MAY 1992**

A study of logging damage in upland rainforest in north Queensland
F.H.J. Crome, L.A. Moore and G.C. Richards (Atherton, Qld., Australia) 1
Rooting density and tree size of *Pinus radiata* (D.Don) in response to competition from *Eucalyptus obliqua* (L'Herit)
H. Bi, N.D. Turvey and P. Heinrich (Creswick, Vic., Australia) 31
Breeding bird communities in regenerating and mature broadleaf forests in the USA Lake States
J.R. Probst (Rhinelander, WI, USA), D.S. Rakstad (Sedan, MN, USA) and D.J. Rugg (St. Paul, MN, USA) 43
The effect of thinning and goat browsing on the structure and development of Mediterranean woodland in Israel
A. Perevolotsky and Y. Haimov (Bet Dagan, Israel) 61
Juniperus procera Hocht. ex. Endl. in Ethiopian forestry
V. Pohjonen and T. Pukkala (Joensuu, Finland) 75
Redistribution of soil nitrogen, carbon and organic matter by mechanical disturbance during whole-tree harvesting in northern hardwoods
D.F. Ryan (Philadelphia, PA, USA), T.G. Huntington (Doraville, GA, USA) and C.W. Martin (Campton, NH, USA) 87
Clonal differences in planting stock quality of Sitka spruce
J.D.Deans, F.J. Harvey (Penicuik, UK) and W.L. Mason (Roslin, UK) 101
Influence of leaf area and canopy structure on size–density relations in even-aged lodgepole pine stands
T.J. Dean (Baton Rouge, LA, USA) and J.N. Long (Logan, UT, USA) 109
Research solutions to problems in the management of established stands
A.K. Mitchell (Victoria, B.C., Canada) 119
The rooting ability of *Triplochiton scleroxylon* cuttings: the interactions between stockplant irradiance, light quality and nutrients
R.R.B. Leakey and R. Storeton-West (Penicuik, UK) 133
Seasonal cambial growth and development of loblolly pine: xylem formation, inner bark chemistry, resin ducts, and resin flow
C.A. Blanche, J.D. Hodges, T.E. Nebeker (Mississippi, MS, USA), P.L. Lorio, Jr. and R.A. Sommers (Pineville, LA, USA) 151

Book Reviews
The earth in transition 167
Plant canopies 168
Modelling of energy forestry 170
Forestry research 172

Announcements 175

VOL. 49 NOS. 3–4 **JUNE 1992**

Gas exchange response of western hemlock seedlings from various dormancy-induction treatments to reforestation site environmental conditions
S.C. Grossnickle (Vancouver, B.C., Canada) and J.T. Arnott (Victoria, B.C., Canada) 177
Biomass and productivity of a *Rhizophora mucronata* Lamarck plantation in Tritih, Central Java, Indonesia
S. Sukardjo and I. Yamada (Kyoto, Japan) 195
Forest structure associated with ruffed grouse abundance
E.P. Wiggers, M.K. Laubhan and D.A. Hamilton (Columbia, MO, USA) 211
Response of woody regeneration to thinning mature upland oak stands in Connecticut, USA
J.S. Ward (New Haven, CT, USA) 219
Forest production and the organization of foliage within crowns and canopies
S.B. Jack and J.N. Long (Logan, UT, USA) 233
Quebec's ecological framework for forest management: a case study in the boreal forest of Abitibi
M. Béland, B. Harvey (Rouyn-Noranda, Que., Canada), Y. Bergeron (Montreal, Que., Canada) and D. Robert (Charlesbourg, Que., Canada) 247
Mechanisms of arrested succession in shrublands: root and shoot competition between shrubs and tree seedlings
F.E. Putz (Gainesville, FL, USA) and C.D. Canham (Millbrook, NY, USA) 267
Effects of harvest intensity, site preparation, and herbicide use on soil nitrogen transformations in a young loblolly pine plantation
P.M. Vitousek, S.W. Andariese (Chapel Hill, NC, USA), P.A. Matson, L. Morris and R.L. Sanford (Raleigh, NC, USA) 277
Long-term human disturbance of an urban park forest, New York City
R.E. Loeb (Altoona, PA, USA) 293
Forest succession and habitat management for Leadbeater's possum in the State of Victoria, Australia
A.P. Smith and D.B. Lindenmayer (Armidale, NSW, Australia) 311
Practical guide for estimating the volume of a standing sample tree using either importance or centroid sampling
H.V. Wiant, Jr., G.B. Wood (Canberra, ACT, Australia) and T.G. Gregoire (Blacksburg, VA, USA) 333

Author Index 341

Subject Index 345